

Claims

What is claimed is:

1. A method of attacking a screening algorithm, the method comprising the steps of:

5 transforming content to manipulate a watermark within the content;

subjecting the content to a screening algorithm; and

transforming the content to reverse any manipulation performed on a watermark in the content during the first
10 transforming step.

2. The method of attacking a screening algorithm as recited in claim 1 further comprising the step of adding a pseudo-random sequence to the content during the first transforming step.

3. The method of attacking a screening algorithm as recited in claim 2 further comprising the step of removing the pseudo-random sequence added to the content during the first transforming step.

4. The method of attacking a screening algorithm as recited in claim 1 further comprising the step of removing a watermark from the content.

25 5. The method of attacking a screening algorithm as recited in claim 1 wherein the screening algorithm comprises a Secure Digital Music Initiative screening algorithm.

30 6. The method of attacking a screening algorithm as recited in claim 1 wherein the screening algorithm screens the content for a watermark.

7. The method of attacking a screening algorithm as recited in claim 1 further comprising the step of admitting the content to a secure domain after subjecting the content to the screening algorithm, when no watermark is detected.

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8. The method of attacking a screening algorithm as recited in claim 1 further comprising the step of manipulating the watermark by reversing all sections of the content.

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9. The method of attacking a screening algorithm as recited in claim 1 wherein the first and second transforming steps are performed in the same transformation device.

10. An apparatus for attacking a screening algorithm comprising:

a processing device having a processor coupled to a memory, the processing device being operative to transform content to be downloaded to manipulate a watermark embedded in the content, wherein the content is subjected to a screening algorithm, the memory storing the content when the content passes through the screening algorithm.

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11. The apparatus for attacking a screening algorithm as recited in claim 10 wherein the processing device removes the watermark embedded in the content.

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12. The apparatus for attacking a screening algorithm as recited in claim 10 wherein the processing device comprises a digital signal processor.

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13. An article of manufacture for attacking a screening algorithm, the article comprising a machine readable medium containing one or more programs which when executed implement the steps of:

5 transforming content to manipulate a watermark within the content;

 subjecting the content to a screening algorithm; and

 transforming the content to reverse any manipulation performed on a watermark in the content during the first
10 transforming step.

14. The article of manufacture for attacking a screening algorithm as recited in claim 13 further comprising the step of adding a pseudo-random sequence to the content during the first transforming step.

15. The article of manufacture for attacking a screening algorithm as recited in claim 13 wherein the first and second transforming steps are performed in respective first and second transformation devices.

16. The article of manufacture for attacking a screening algorithm as recited in claim 13 further comprising the step of
25 removing a watermark from the content.

17. The article of manufacture for attacking a screening algorithm as recited in claim 13 wherein the screening algorithm screens the content for a watermark.

18. The article of manufacture for attacking a screening algorithm as recited in claim 13 further comprising the step of admitting the content to a secure domain after subjecting the content to the screening algorithm, when no watermark is detected.

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19. The article of manufacture for attacking a screening algorithm as recited in claim 13 further comprising the step of writing downloaded content to a user device.

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20. The article of manufacture for attacking a screening algorithm as recited in claim 13 further comprising the step of swapping the most and least significant bytes in a 16-bit sample.

FOOTNOTES